OFFICE MEMORANDUM

United States Government



FkOM : Chief, Communications

SUBJECT: desume' of Plans for Cryptographic Communications of FBIB London

1. The following is a resume' of the plans for cryptographic communications for FBIB London. The problem involves two categories of traffic; one for the handling of ______ administrative office; 25 the other for the handling of broadcast material.

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A. There is a requirement for the encipherment of an estimated 1000 groups per week of classified administrative traffic. This traffic is to be transmitted between mashington and London. The cryptographic system to be used will be the one-time pad. The personnel to operate the system will be the American personnel now assigned to administrative office.

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B. There may be another requirement for the encipherment of approximately 5000 groups of broadcast material per day. This traific originates at Cyprus or Caversham, is transmitted to London in the clear via British cable and is then to be enciphered and transmitted via radio teletype to mashington. The cryptographic system to be used is the scrambled teletype tape method known as a SIGTOT system. The British teletype personnel presently assigned to the transmission of FBID traffic will operate these crypto devices. It is intended that additional personnel will be assigned to the London office by FBIB as necessary to assist with the increase in work.

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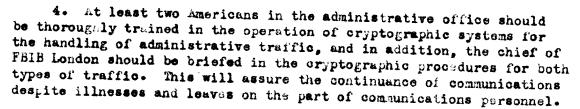
- 2. In order to reduce administrative detail and extra correspondence in so far as the office chief is concerned and in order that a more personal responsibility for registered materials may be fixed, one of the persons actually doing the crypto work should be designated as the communications officer. This person must be an american. This person will be directly responsible to the communications pivision for all cryptographic materials issued to FBIS in London, for submitting a number of required reports, and for complying with cryptographic procedures as set forth in cryptographic procedure documents supplied to each office. A cryptographic correspondence channel netween the Communications pivision and the communications officer will be established. This correspondence will be maintained in a separate file to which only the communications officer and the office chief have access.
- 3. It is recommended that appoint Miss forbes to this job initially, since she is one or the light pursons to be given cryptographic training. Then the breakes to make the project

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gets under way, it will be necessary that another person more closely connected with the transmission of the broadcast material be appointed as communications officer. It is suggested that an American teletype operator be assigned to work with the British teletype operators and that the American be given this communications officer responsibility. Miss Forbes would continue to do the cipher work for the administrative traffic but the American teletype operator would have over-all responsibility to the Communications Division on cryptographic matters.

TRAINING OF PERSONNUL



is at present being trained in the communications Division cryptographic school. His training will include both the one-time pad system and the one-time tape system. This training is given with the idea that he will be able to assist with the training of London personnel in the initial stages. He will also be able to perform cryptographic duties in the event of the illness or leave of of regularly assigned crypto personnel.

6. OSO Personnel in London will brief and train in crypto systems and their application. will do all of the cryptographic work for the administrative traffic of the London FdIB office. Cryptographic material and instructional documents for this training to be conducted in London are being prepared and will be forwarded to the OSO London office when completed.

7. Other 030 personnel will conduct the one-time tape training of the teletype operators who will be handling the broadcast material. Cryptographic materials and instructional documents for the conducting of this training will be prepared and will be forwarded to the 080 London office at the appropriate time.

CRYPTOGRAPHIC CLEARANCES FOR MAURICAN PERSONHEL

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8. ClA requires that all personnel assigned to cryptographic duties be granted cryptographic clearances similar to those required by the army and the Navy. To date, are the only persons who have authorized to have access to the cryptographic material that is being supplied for the administrative traffic. No other personnel in the FBIB London office are authorized to have access to any of the cryptographic materials forwarded to London for use in conjunction with the administrative traffic.

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CRYPTOGRAPHIC CLEARANCES FOR BRITISH PERSONNEL

	9.	FBIB	will	submit	the	names	10	the	Brit	ish	tele	type	ope	rators
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CODE ROOM FOR ADMINISTRATIVE TRAFFIC

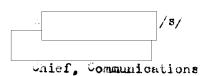
10. The cryptographic nork for administrative traffic must be performed in a locked room and under such conditions that the work cannot be observed through windows, glass doors etc. If necessary, blinds should be drawn. Then the cryptographic materials are not being used, they will be placed in a three-way combination safe to which only personnel holding cryptographic clear ness will have access.

CODE ROOM FOR BROADCAST MATERIAL

ll. The encipherment of broadcast materials by means of SIGTOT will require a crypto room separated from the regular teletype room. This room should be of sturdy construction, preferably with masonry walls with a heavy wooden or steel door fitted with a three-way combination lock. All windows should be protected by grille and covered with curtains. The room should be provided with a three-way combination safe of American manufacture or equivalent to be used for storing cryptographic material. Personnel, other than those assigned to cryptographic duties, will be excluded from this room.

EQUIPA ST AND MAINITHANCE

12. Communications division will supply two complete sets of SICTOT equipment to the London office. The Department of State has been asked to authorize its London teletype technician to assist in the initial installation and to train the pritish teletype maintenance personnel assigned to FAIB in the maintenance of teletype equipment. The Department of State indicated verbally that such an authorization would be granted provided the London Embassy technician is not transferred from London prior to the installation of the equipment.



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